

## I. GENERAL

This project involves the modification of an existing strain pole Traffic Control Signal with street lighting and interconnect at the intersection of MD 28 (West Montgomery Ave) and Hurley Ave in Montgomery County. The westbound MD 28 (West Montgomery Ave) left turn phase shall be change from an Exclusive/Permissive to an Exclusive movement. MD 28 (West Montgomery Ave) is assumed to run an east-west direction.

## II. INTERSECTION OPERATION

1. The intersection is to operate in a NEMA five-phase, semi-actuated mode, with the MD 28 (West Montgomery Ave) approaches running concurrently. The existing Exclusive/permissive left turn phase for the westbound MD 28 (West Montgomery Ave) approach shall now be an Exclusive left turn phase. The existing Countdown pedestrian phase with audible pushbutton actuation across the west leg of MD 28 (West Montgomery Ave) shall remain in operation. The existing Countdown pedestrian phase with audible pushbuttons on recall across the south leg of Hurley Ave shall remain in operation. The existing stations on both legs of MD 28 (West Montgomery Ave) shall remain in operation. The Hurley Avenue approaches shall also continue to run concurrently.
2. The existing full-traffic-actuated, eight-phase controller with video interface, L.A.U. and L.A.U. Panel, 2-wire Control Unit and all necessary equipment housed in a NEMA size "6" base-mounted cabinet shall be utilized at this intersection.

### III. SPECIAL NOTES

1. The Contractor shall be responsible for terminating all signal cables, excluding interconnect, to the appropriate terminals and shall properly label each cable.
2. All controller cabinet wiring will be performed by Montgomery County Forces. Contact Kamal Hamud at (240) 77-8761 seventy-two hours in advance of intended work.
3. All underground and overhead utilities shown on these plans are schematic only and may not be complete. The Contractor shall be responsible for notifying Miss Utility prior to construction so that all utilities may be located in the field. If the Contractor perceives that a conflict between the utilities and the traffic signal will occur, the Contractor shall notify the Project Engineer immediately so that the conflict may be resolved.

The contacts for Montgomery County and SHA are as follows:

Ms. Felecia Murphy  
Assistant District Engineer - Traffic  
Phone: (301) 513-7424

Mr. Richard L. Daff, Sr.  
Chief, Traffic Operations Division  
Phone: (410) 787-7630

Mr. Vernon Stinnett  
Assistant District Engineer - Maintenance  
Phone: (301) 513-7304

Mr. Bob Ricketts  
Signal Shop (Mont Co.)  
301-279-1291

Mr. Victor Grafton  
Assistant District Engineer - Utility  
Phone: (301) 513-7350

Mr. Sonny Bailey  
Manager, Sign Shop Operations  
410-787-7670

Mr. Kamal Hamud  
Mont. County TMC Center  
240-777-8761

## EQUIPMENT LIST

- A. EQUIPMENT TO BE SUPPLIED BY S.H.A.

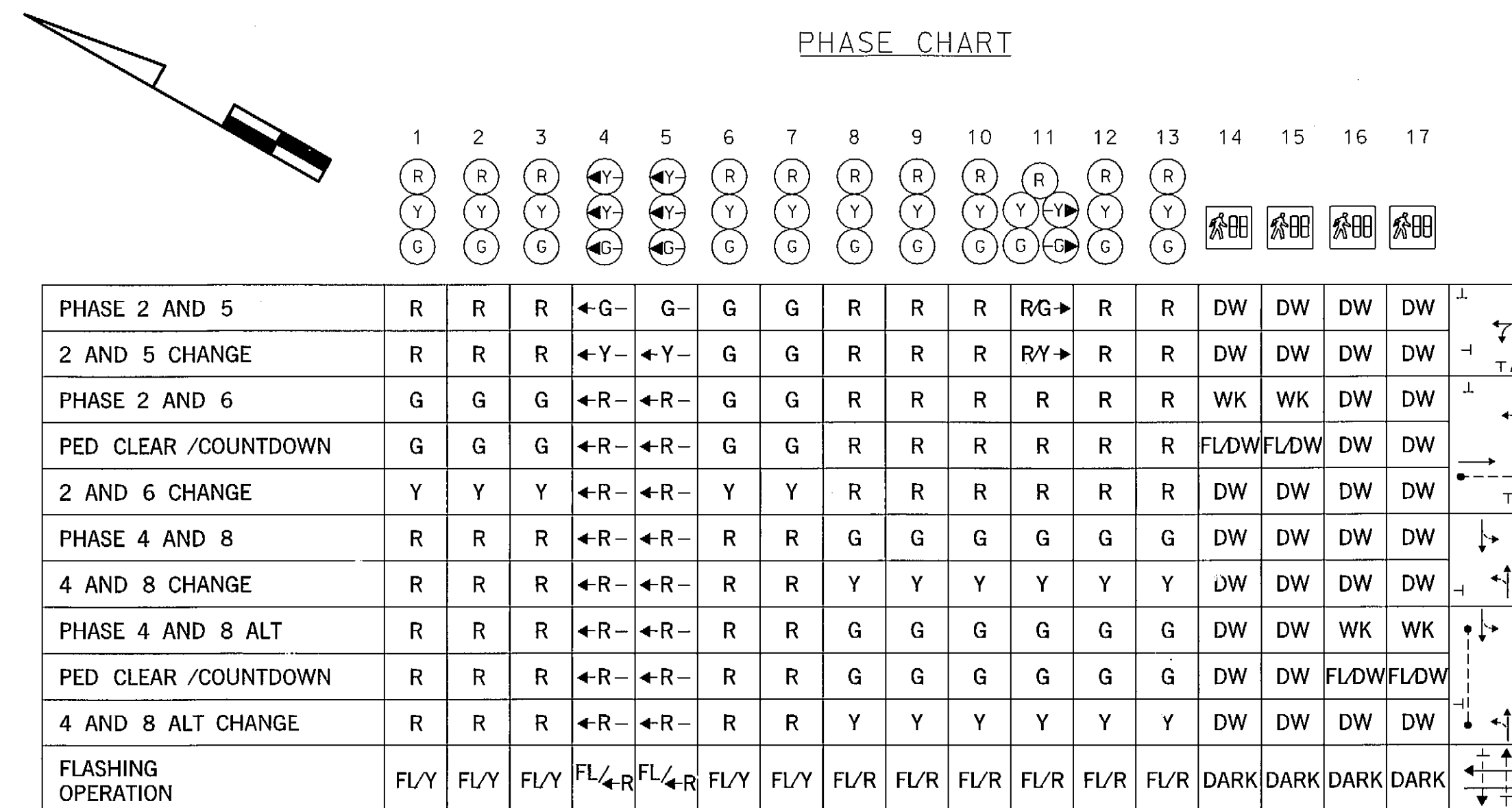
THERE IS NO EQUIPMENT TO BE SUPPLIED BY THE SHA.

- | B. EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR |   |          |
|--|---|----------|
| ITEM NO.   | DESCRIPTION                                     | QUANTITY |
| 1001   | Maintenance of traffic per assignment.          | 1 EA     |
| 8001   | 12" LED signal head section.                    | 6 EA     |
| 8024   | Remove and dispose of equipment per assignment. | 1 EA     |

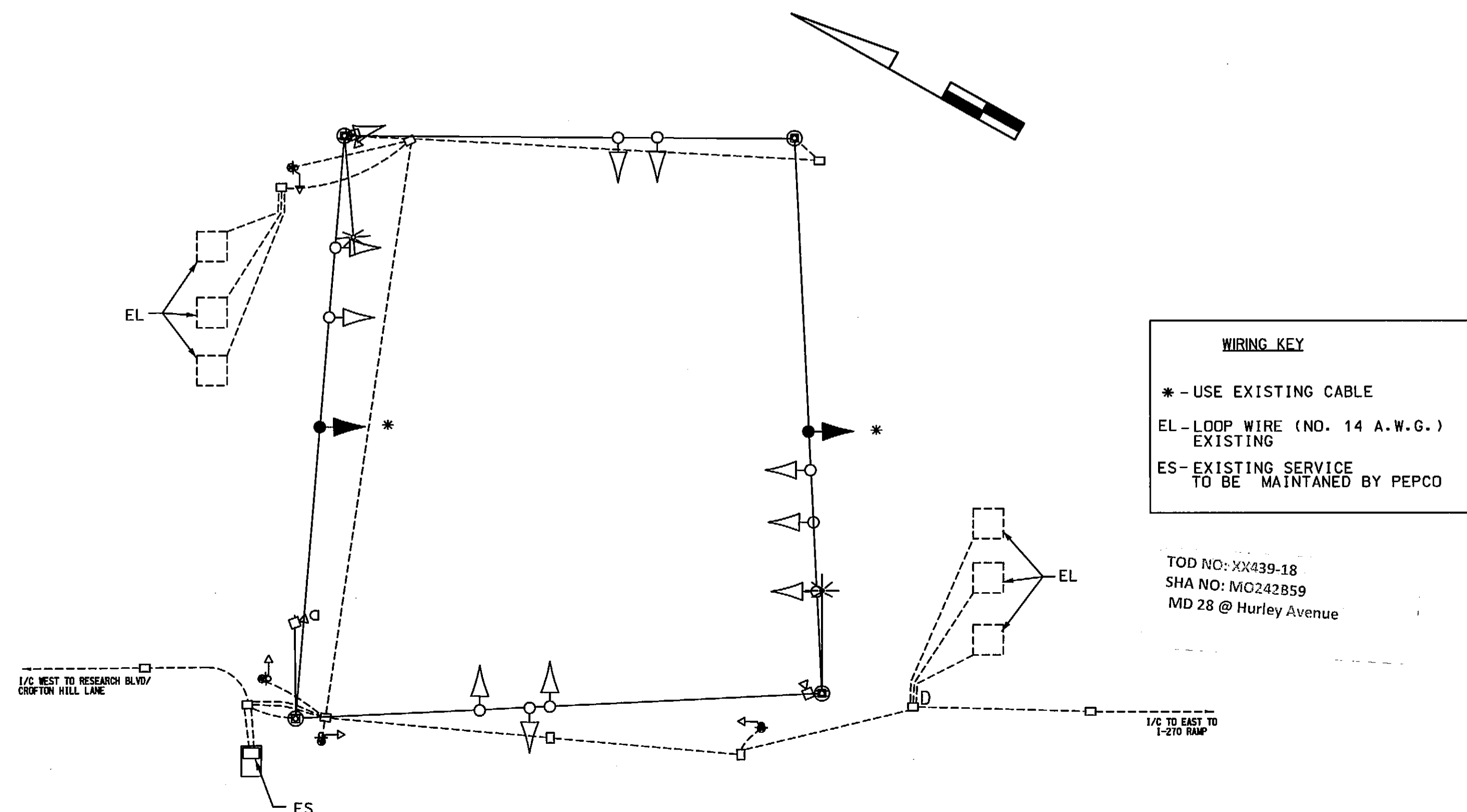
- C. EQUIPMENT TO BE REMOVED

All removed signal materials are to become property of the contractor.

## PHASE CHART



## WIRING DIAGRAM



WIRING KEY

\* - USE EXISTING CABLE

EL - LOOP WIRE (NO. 14 A.W.G.)  
EXISTING

ES - EXISTING SERVICE  
TO BE MAINTAINED BY PEPCO

TOD NO: XX439-18  
SHA NO: MO242B59  
MD 28 @ Hurley Avenue

**SHA** STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION

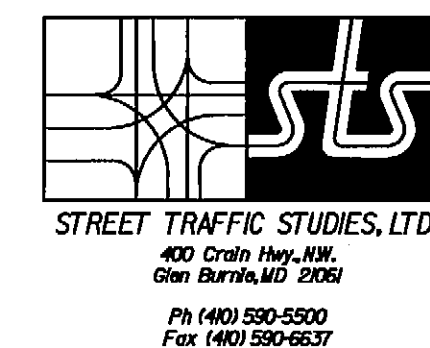
MD 28 (W. MONTGOMERY AVE.)  
AND HURLEY AVENUE  
ROCKVILLE, MARYLAND

## GENERAL INFORMATION SHEET

SCALE NONE DATE 6/1/12 CONTRACT NO. XX4395185

DESIGNED BY	R.R.Z.	COUNTY	MONTGOMERY
DRAWN BY	R.C.	LOGMILE	15002820.48
CHECKED BY		TIMS NO.	L234
F.A.P. NO.		TOD NO.	

TS NO. 858H	DRAWING NO. 2 OF 2	SHEET NO. OF
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PLOTTED: \$DATETIME\$  
FILE: \$FILE\$